

**REMARKS/ARGUMENTS**

Claims 1, 3-12 and 14-23 are pending in this application. By this Amendment, Figure 11, the specification and claims 1, 3-4 and 9-10 are amended, claims 2 and 13 are canceled without prejudice or disclaimer and claims 16-23 are added. Reconsideration in view of the above amendments and the following remarks is respectfully requested.

A. The Office Action objects to the drawings. Applicant respectfully submits the attached annotated sheet showing changes in red for Fig. 11 and amendments to the specification obviate the grounds for the objection. In particular, element 3k was added to Fig. 11. Express approval of the drawing amendments is respectfully requested. Withdrawal of the objection to the drawings is respectfully requested.

B. The Office Action rejects claim 3 under 35 U.S.C. §112, second paragraph. Applicant respectfully submits the above amendments obviate the grounds for the rejection. Withdrawal of the rejection of claim 3 under 35 U.S.C. §112, second paragraph is respectfully requested.

C. The Office Action rejects claims 1-15 under 35 U.S.C. §103(a) over U.S. Patent No. 6,597,409 to Shioya et al. (hereafter "Shioya") and U.S. Patent Application Publication No. US2002/0008812A1 to Conner et al. (hereafter "Conner"). The rejection is respectfully traversed.

Applicant respectfully submits that Shioya and Conner, individually or in combination, do not teach or suggest at least features of a color filter portion in which color filters for

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selectively transmitting red, green and blue colors are formed on a circular plate in a spiral shape with respect to a rotation axis of the circular plate and combinations thereof as recited in claim 1, or a color filter portion in which color filters for selectively transmitting red, green and blue lights are sequentially formed on a circular plate in concentric circles and combinations thereof as recited in claim 9. In contrast, Applicant respectfully submits Figure 2 of Shioya discloses a conventional color wheel being divided into R, G and B regions in a circular direction. See Figures 2A-2B and 9A-9B of Shioya. Further, Applicant respectfully submits the conventional color wheel in Shioya has a function of filtering the same color in a radial direction of the color wheel. That is, the color wheel in Shioya separates color by filtering sequentially R, G and B light from an incident light in a designated time interval.

In contrast, Applicant respectfully submits embodiments of the present invention can provide color filters (e.g., R, G and B color filters) formed in a spiral or concentric circle shapes on a support plate (e.g., circular plate 3k) that are divided in a radial direction. See at least exemplary Figures 8 and 14 of the present specification. As shown in Figures 8 and 14 of the present application, color filters (e.g., R, G and B filters) can be formed along a radial direction of the color wheel. Further, color filters in embodiments of the present invention can be configured to filter the same color in a circular direction. In addition, incident light to a color wheel in embodiments can be simultaneously filtered for a plurality of colors (e.g., R, G and B) in a time interval. Applicant respectfully submits that Shioya and Conner, individually or in combination do not teach or suggest any modification to its disclosure that would result in at

least a feature of a color filter portion and combinations thereof as recited in claim 1 or a color wheel and combinations thereof as recited in claim 9.

With respect to claim 15, Applicant respectfully submits that Shioya and Conner, individually or in combination do not teach or suggest any modification to its disclosure that would result in at least a feature of the color wheel includes five color areas and combinations thereof as recited.

For at least the reasons set forth above, Applicant respectfully submits claims 1 and 9 define patentable subject matter. Claim 5 defines patentable subject matter for at least reasons similar to claim 1. Claims 3-4, 6-8 and 10-15 depend from claims 1, 5 and 9, respectively, and therefore also define patentable subject matter for at least that reason as well as their additionally recited features. Claims 2 and 13 are canceled without prejudice or disclaimer. Withdrawal of the rejection of claims 1-15 under 35 U.S.C. §103 is respectfully requested.

D. Claims 16-23 are newly added by this Amendment and believed to be in condition for allowance.

### **CONCLUSION**

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance are earnestly solicited.

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If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **Carl R. Wesolowski**, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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